REMARKS

The specification has been amended to identify the two types of lines in the graphs of Figures 5-16, in view of the new drawings being submitted herewith. It is respectfully submitted that this information is fully supported by the originally filed drawings, and therefore does not present new matter.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The relationships between the reflectances for s-polarized light and for p-polarized light and the incident angle on the reflection surface RA and the reflection surface RB are shown in Figs. 5 and 6, respectively. In the graphs of these and subsequent figures, the properties of s-polarized light are represented by a solid line, and the properties of p-polarized light are represented by a dashed line. On the reflection surfaces RA and RB, the reflectance for s-polarized light and the reflectance for p-polarized light are substantially the same at any incident angle in the range of 0 to 90°. While the angle of incidence on the mirror surfaces 40a of the rotating polygon mirror 40 is 30 to 60° as mentioned above, in an incident angle range of 0 to 60° including this, the difference between the reflectance for s-polarized light and the reflectance for p-polarized light is not more than 1.9% on the reflection surface RA and not more than 0.16% on the reflection surface RB.